

Stormwater Division

MEMORANDUM

DATE: March 4, 2010
TO: Michael J. Gillis, Virginia Correctional Enterprises Document Management Services
FROM: Jo Anna Ripley, Stormwater
PO: 270712
RE: Files Approved for Scanning

General File ID or BMP ID: PC172

PIN: 3240100031

Subdivision, Tract, Business or Owner

Name (if known):

Wellspring United Methodist Church

Property Description:

Church site

Site Address:

4871 Longhill Road

(For internal use only)

Box 5

Drawer: 3

Agreements: (in file as of scan date)

N

Book or Doc#:

Page:

Comments

WATERSHED	PC	MAINTENANCE PLAN	Yes	CTRL STRUC DESC	Timbers
BMP ID NO	172	SITE AREA acre	6	CTRL STRUC SIZE inches	6 x 6
PLAN NO	SP-154-00	LAND USE	R-2 Gen Resid	OTLI BARRL DESC	None
TAX PARCEL	(32-04)(01-31)	old BMP TYP		OTLI BARRL SIZE inch	
PIN NO	32040100031	JCC BMP CODE	E1 Wet Swale (check dams)		
CONSTRUCTION DATE	3/27/2001	POINT VALUE	4	EMERG SPILLWAY	Yes
PROJECT NAME	Wellspring UM Church Expansion				
FACILITY LOCATION	4871 Longhill Road			DESIGN HW ELEV	86.0
CITY-STATE	Williamsburg, Va. 23188	SVC DRAIN AREA acres	2	PERM POOL ELE	na
CURRENT OWNER	Wellspring United Methodist Church			2-YR OUTFLOW cfs	0.00
OWNER ADDRESS	4871 Longhill Road			10-YR OUTFLOW cfs	0.00
OWNER ADDRESS 2		SERVICE AREA DESCRI	Buildings, Parking & wooded areas	REC DRAWING	Yes
CITY-STATE-ZIP CODE	Williamsburg, Va. 23188	IMPERV AREA acres	1.06	CONSTR CERTI	No
OWNER PHONE		RECV STREAM	UT of Powhatan Creek		
MAINT AGREEMENT	Yes	EXT DET-WQ-CTRL	Yes	LAST INSP DATE	4/1/2002
EMERG ACTION PLAN	No	WTR QUAL VOL acre-ft	0.002	INTERNAL RATING	4
		CHAN PROT CTRL	No	MISC/COMMENTS	Church A-4. Small timber check dam for redev. Located 170' NW of exist bldg.
		CHAN PROT VOL acre-ft	0		
		SW/FLOOD CONTROL	Yes		
		GEOTECH REPORT	No		

Get Last BMP No

Return to Menu

APPROVALS	DATE
Fire Dept. <u>JD/CMS</u>	<u>1-5-01</u>
Health Dept. <u>CL/CMS</u>	<u>1-4-01</u>
VDOT <u>PKD/CMS</u>	<u>2-7-01</u>
Planning <u>~</u>	<u>8/1/01</u>
Environ. <u>DEL/CMS</u>	<u>3-22-01</u>
Zoning Adm. <u>~</u>	<u>8/1/01</u>
JCSA <u>SAG</u>	<u>7-31-01</u>
County Eng. <u>WB/CMS</u>	<u>4-2-01</u>

SP. 154.00



REA MS/CMS 1-4-01
Other _____

Wellspring

Site Data:

Project Description: Expansion of the office, foyer, and education spaces serving the existing church. Building is a wood framed building served by a graveled parking area. No increase in occupants or parking demands.

Development Data:

Description	Area	Area
Total Site	261,360 sq ft	100.0%
Area Disturbed	26,800 sq ft	10.3%
Building Area		
Existing	3,902 sq ft	1.5%
Proposed	7,647 sq ft	2.9%
Change	3,745 sq ft	1.4%
Paved Area		
Existing	43,685 sq ft	16.7%
Proposed	37,018 sq ft	14.2%
Change	-6,667 sq ft	-2.5% of Total Parcel
Change	-6,667 sq ft	-15.3% of Existing
Open Area		
Existing	213,773 sq ft	81.8%
Proposed	216,695 sq ft	83.0%
Change	2,922 sq ft	1.2%
Parking Count		
Existing (seating/5 or greater)		110 cars
Proposed (seating/5 or greater)		105 cars
Change		-5 cars
Existing H.C.		1 cars
Proposed H.C.		2 cars
Change in H.C.		1 cars

Zoning Code Data:

1. Special Use Permit: SUP-19-00, Approved Oct 10, 2000
2. Building Use: Church, A-4, 1997 VSUBC)
3. Number of Occupants: 200 persons
4. Building Height: 33 ft
5. Exterior color and Material: Off White, Vinyl Siding
6. Jurisdiction: James City County, Virginia
7. Tax Map: (32-4)(01-0-0031)

N/F Thomas P. French, Jr.
(32-3)(26-0-0004)

N/F Barbara A. VanWormer
(32-3)(26-0-0005)

N/F William D. MacQuestion
(32-3)(26-0-0007)

N/F Anthony Conyers, Jr.
(32-3)(26-0-0008)

N/F Marcus
(32-3)(26-

12.5' Setback

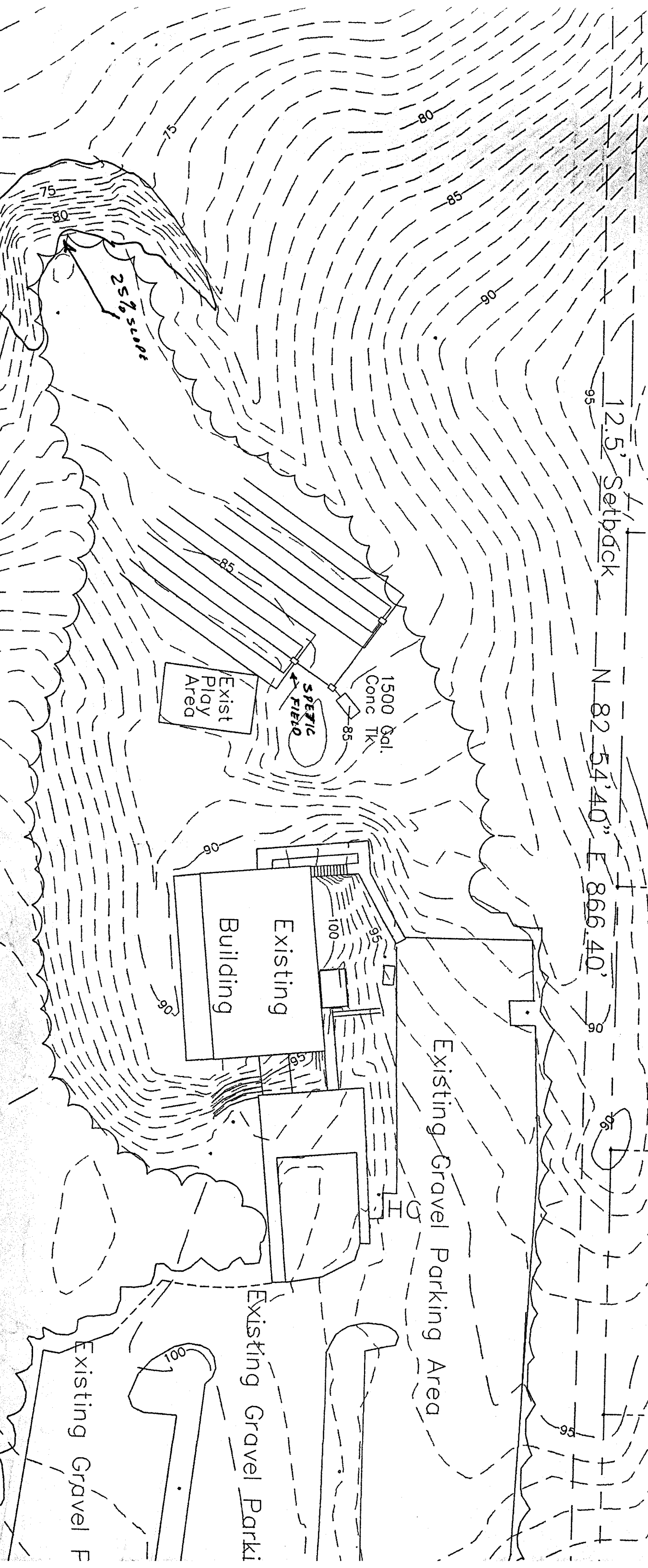
N 82° 54' 40" E 866.40'

Existing Gravel Parking Area

Existing Building

Existing Gravel Parki

Existing Gravel F



as P. French, Jr.
-0-0004)

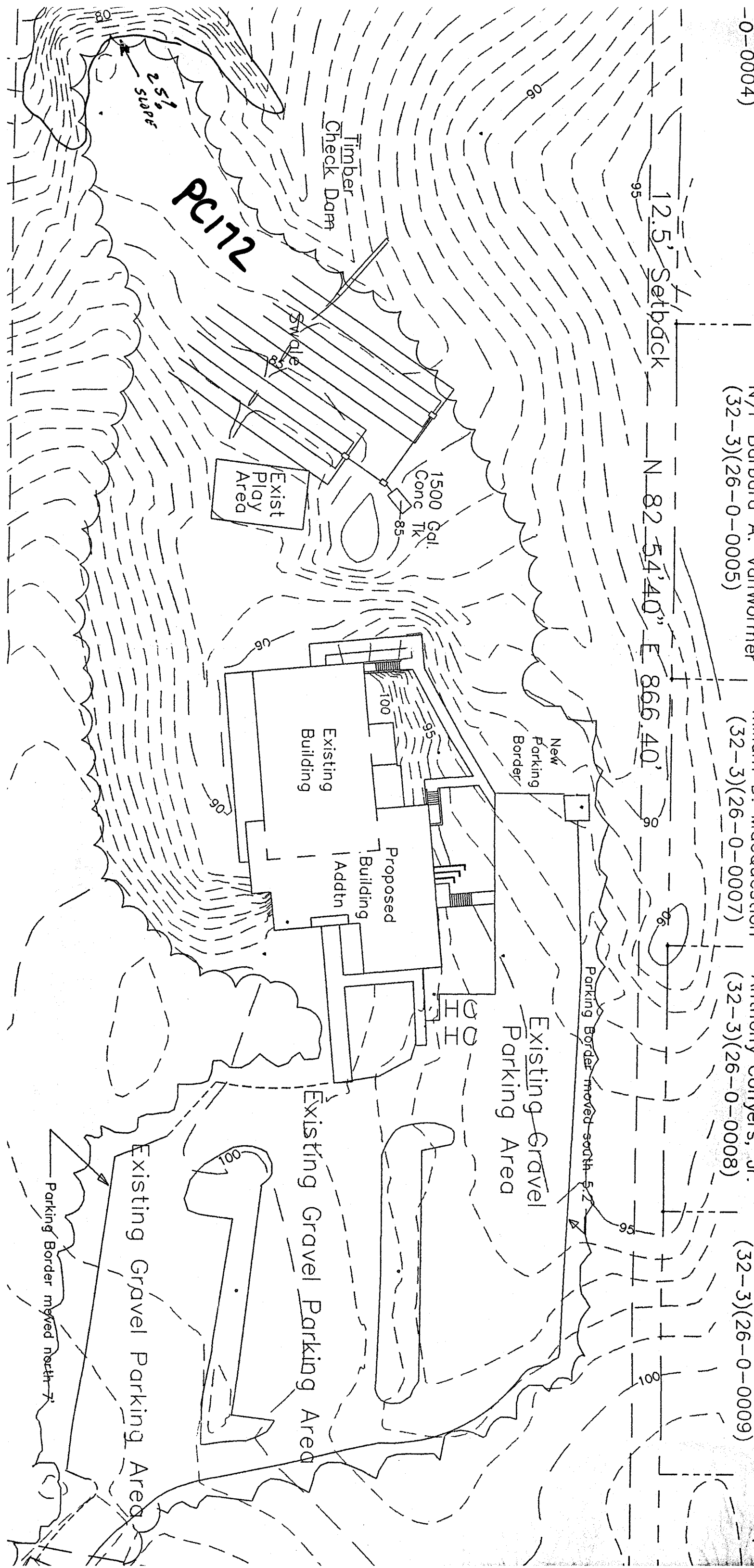
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N/F William D. MacQuestion
(32-3)(26-0-0007)

N/F Anthony Conyers, Jr.
(32-3)(26-0-0008)

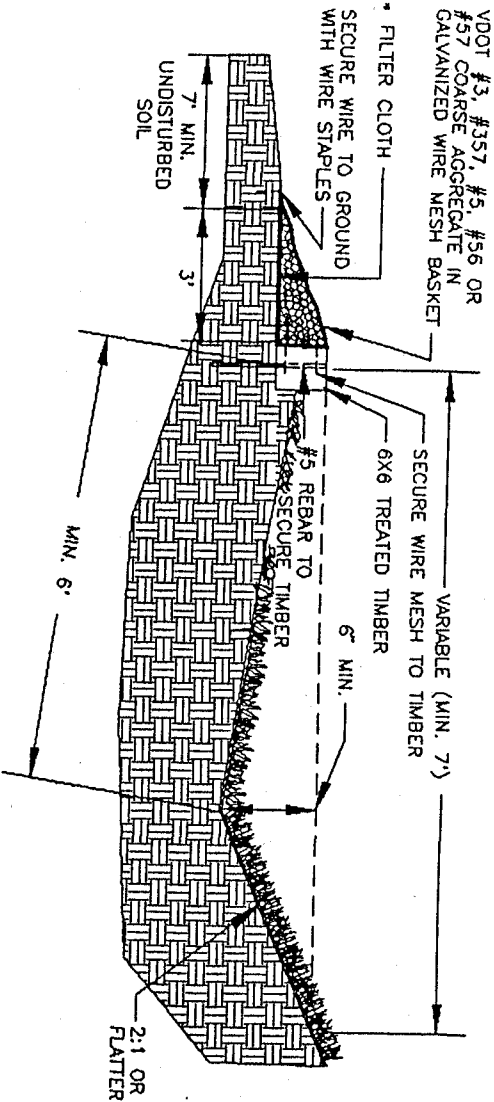
N/F Marcus M. Kirk
(32-3)(26-0-0009)

Windso
Asso
(12-0-
(32



PC1172

Timber/Rock Check Dam
CROSS SECTION



Erosion and Sedimentation Control Maintenance and Inspection Plan

Maintenance shall follow the requirements of the minimum standard 3.20 of the Virginia Erosion and Sedimentation Control Handbook and the minimum standard 3.20 of the Virginia Storm water Management handbook including but not limited to:

1. **Vegetation** - Maintain existing native vegetation within the existing drainage swale up-slope of the check dam to the greatest extent possible. Stabilization and/or re-seeding of bare spots shall be performed as needed.
2. **Check Dams** - Properly constructed check dams shall require very little maintenance since they are made of non-erodible materials. Periodic removal of sediment accumulated behind the check dam shall be performed as required.
3. **Debris and Litter Removal** - The accumulation of debris (including trash, grass clippings, etc.) at the check dam or in the swale can alter the hydraulics of the design and lead to additional maintenance costs. Debris can also the flow path along the swale bottom causing low flows to concentrate and result in erosion of the swale bottom. Periodic inspections will be performed by the owner to remove trash and debris.
4. **Sediment Removal** - The owner shall clean and remove sediment that accumulates at the check dam or within the swale and reestablish any vegetation up slope of the swale or check dam.

2	ADD MAINT PLAN	03/13/2001
1	Respond to JCC Comments	02/28/2001
0		

Wellspring United Methodist Church

Expansion Project

Erosion and Sedimentation Control

Site Drawing: C2000-003

Scale: NTS

Date: 12-01-2000

Drawn by:

William F. Hinson, Jr. PE

152 John Rolfe Lane

drainage structures shall take precedence over all underground utilities. Outfall ditches from control stone or paved ditches where required. This includes installation of erosion grading or utility installation begins. Any drainage outfalls required for a street must be completed before street Permanent or temporary

any portion of the site. Soil stabilization must be applied to all denuded areas within 7 days after final grade is reached on remain dormant (undisturbed) for longer than 30 days. Soil stabilization measures include vegetative establishment, mulching and the early application of gravel base material on areas to be paved.

10 No more than 300 feet of sanitary sewer, storm sewer, waterlines or underground utility lines are to be open at one time.

12 The term Seeding, Final Vegetative Cover or Stabilization on this plan shall mean the successful establishment of a stable area of vegetation on this plan.

fertilizer in accordance with Std. & Spec. 3.32, Permanent Seeding. Irrigation shall be required as necessary to ensure establishment of grass cover.

establishment of a vegetative cover. Installation shall be in accordance with Std. & Spec. 3.3.5, Mulching and Manufacturer's Instructions. No slopes shall be created steeper than 2H:1V. Inlet protection in accordance with Std. & Spec. 3.3.5, Inlet Protection shall be installed in accordance with the manufacturer's instructions. No slopes shall be created steeper than 2H:1V.

following construction of the same.
Temporary liners, such as polyethylene sheets, shall be provided for all paved ditches until the permanent concrete lining is installed.

Paved ditches shall be required wherever erosion is evident. Particular attention shall be paid to those areas where grades exceed 3 percent.

Temporary erosion control measures such as silt fence are not to be removed until all disturbed areas are stabilized. After stabilization is complete, measures shall be removed within 30 days. Trapped sediment shall be spread and seeded. All sediment traps and basins shall remain in place until the majority of the area is stabilized and seeded.

As-built drawings must be provided for all detention/BMP facilities. Also, upon completion of detention/BMP facilities, the majority of the single-family houses have been constructed and shall not be removed without authorization from the James City County Environmental Division.

certification shall state that to the best of his/her judgement, knowledge and belief, the structure was constructed in accordance with the approved plans and specifications.

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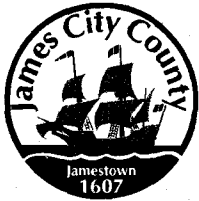
A circular professional engineer seal for the Commonwealth of Virginia. The outer ring contains the text "COMMONWEALTH OF VIRGINIA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, the name "WILLIAM F. HINSON, JR." is printed vertically. To the left of the name is the number "No. 021900" and to the right is the date "2/28/2001". A signature is written across the center of the seal.

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PC172

This is an aerial photograph of a residential neighborhood. A white rectangular label with the text 'PC172' is positioned in the center-left. A thin white line extends from the top-right corner of the label, pointing towards a specific spot in a grassy area between two houses. The houses are visible as dark, rectangular shapes with lighter roofs. The surrounding area is filled with trees and vegetation, appearing in various shades of gray. The overall image has a grainy, high-contrast quality typical of older aerial photography.



DEVELOPMENT MANAGEMENT

101-E MOUNTS BAY ROAD, P.O. BOX 8784, WILLIAMSBURG, VIRGINIA 23187-8784
(757) 253-6671 Fax: (757) 253-6850 E-MAIL: devtman@james-city.va.us

CODE COMPLIANCE
(757) 253-6626
codecomp@james-city.va.us

ENVIRONMENTAL DIVISION
(757) 253-6670
environ@james-city.va.us

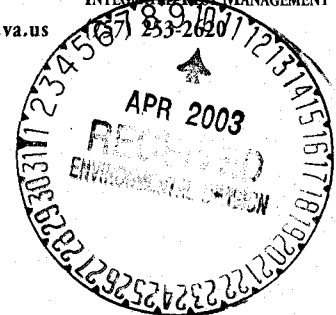
PLANNING
(757) 253-6685
planning@james-city.va.us

COUNTY ENGINEER
(757) 253-6678
INTEGRATED BEST MANAGEMENT

April 2, 2003

Reverend Margaret T. Kutz
Wellspring United Methodist Church
4871 Longhill Road
Williamsburg, Va. 23188

Re: Wellspring United Methodist Church Expansion
County Plan No. SP-154-00
County BMP ID Code: PC ~~154~~ 172



Dear Reverend Kutz:

As discussed with you on the phone on April 2nd 2003, the Environmental Division is attempting to resolve the last remaining issue associated with release of surety and closing out the above referenced project. The outstanding issue is the Inspection/Maintenance agreement which was necessary for the stormwater management facility at the site.

Normally, prior to issuance of a land-disturbing permit for any project which involves the construction of stormwater management or drainage facilities or systems, an executed *Declaration of Covenants - Inspection/Maintenance of Drainage System* (Inspection/Maintenance agreement) is required. This document is recorded in the County land records and binds all present and subsequent owners of property served by the facility or system.

When we are closing out projects, we verify to see if this agreement was required, received and processed. Inspection/maintenance agreements are required if the site contains any stormwater drainage or Best Management Practice (BMP) facilities. The purpose of the inspection/maintenance agreement is to ensure the owner provides long-term maintenance for drainage structures.

During the review of the plan of development for this project and prior to approval, the Environmental Division issued comment # 3 on January 18th 2001 which stated that "*a Standard Inspection / Maintenance agreement is required to be executed with the County for any Stormwater Management/BMP facility.*" Based on our records, this document was provided by the church some time after site development was substantially completed; however, there were some deficiencies which prohibited it to be processed and recorded properly. This issue still remains outstanding and has resulted in substantial delay in closing out this project.

In full consideration of this matter and based upon a review of all active file and certification information and in order to not prolong the issue any further, the Inspection/Maintenance agreement requirement will be waived for this specific review case. The primary reasons for exception to the requirement are as follows:

- The project was a small redevelopment type project.
- The stormwater BMP for the site is a simple check dam structure situated in the natural channel to the northwest of the main building. The timber check dam is of simple design and construction. It consists of consists of double stacked, low profile 6-inch x 6-inch treated timbers with dumped stone on the upstream side. (Note: A map showing the approximate location of the BMP is attached).

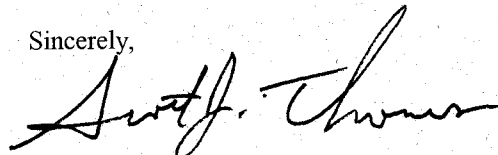
- The drainage area to the BMP structure is relatively small, servicing only about 2 acres.
- A maintenance plan was provided on Sheet 3 (C2000-003) of the approved site plan. The maintenance plan outlines maintenance and inspection items to be performed by the Owner to ensure the long-term success of the BMP. *(Note: A copy of the maintenance plan from Sheet 3 of the approved plan is also attached).*
- There are no obvious signs indicating threatening conditions to the stormwater function or structural integrity of the stormwater management facility.
- The facility appears to have been well-maintained by the Owner during the land-disturbing phase of construction and following completion of site work associated with the church expansion.

In lieu of the filing another Inspection/Maintenance agreement which would require legal review and recordation, we desire acknowledgement to granting of this waiver by completing the signature block below. Signature and date will also serve as an understanding by the Owner of obligations to inspect and maintain the BMP facility in accordance with the approved maintenance plan and to allow access by Environmental Division staff for routine inventory and inspection purposes (usually once per year). The signature should be by a representative of the church who has designated authority to oversee maintenance operations as such.

Once an original signed copy is forwarded to our office, we will proceed with the release of the posted surety for the project in accordance with our usual administrative process. We will retain this document in our record drawing files for the BMP facility.

Please contact me at 757-253-6639 or the assigned Environmental Division inspector, Beth Davis at 757-253-6702 if you have any further comments or questions.

Sincerely,



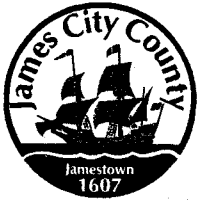
Scott J. Thomas, P.E.
Civil Engineer
Environmental Division

Attachments
SJT/sjt

cc: Beth Davis, Environmental Division

Acknowledgment:

By: Nancy Beaupre
Title: Office Administrator
Signature: Nancy Beaupre
Date: 4/7/03



DEVELOPMENT MANAGEMENT

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COUNTY ENGINEER
(757) 253-6678
INTEGRATED PEST MANAGEMENT
(757) 253-2620

April 2, 2003

Reverend Margaret T. Kutz
Wellspring United Methodist Church
4871 Longhill Road
Williamsburg, Va. 23188

Re: Wellspring United Methodist Church Expansion
County Plan No. SP-154-00
County BMP ID Code: PC 154

Dear Reverend Kutz:

As discussed with you on the phone on April 2nd 2003, the Environmental Division is attempting to resolve the last remaining issue associated with release of surety and closing out the above referenced project. The outstanding issue is the Inspection/Maintenance agreement which was necessary for the stormwater management facility at the site.

Normally, prior to issuance of a land-disturbing permit for any project which involves the construction of stormwater management or drainage facilities or systems, an executed *Declaration of Covenants - Inspection/Maintenance of Drainage System* (Inspection/Maintenance agreement) is required. This document is recorded in the County land records and binds all present and subsequent owners of property served by the facility or system.

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During the review of the plan of development for this project and prior to approval, the Environmental Division issued comment # 3 on January 18th 2001 which stated that "*a Standard Inspection / Maintenance agreement is required to be executed with the County for any Stormwater Management/BMP facility.*" Based on our records, this document was provided by the church some time after site development was substantially completed; however, there were some deficiencies which prohibited it to be processed and recorded properly. This issue still remains outstanding and has resulted in substantial delay in closing out this project.

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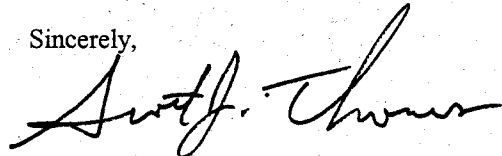
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- There are no obvious signs indicating threatening conditions to the stormwater function or structural integrity of the stormwater management facility.
- The facility appears to have been well-maintained by the Owner during the land-disturbing phase of construction and following completion of site work associated with the church expansion.

In lieu of the filing another Inspection/Maintenance agreement which would require legal review and recordation, we desire acknowledgement to granting of this waiver by completing the signature block below. Signature and date will also serve as an understanding by the Owner of obligations to inspect and maintain the BMP facility in accordance with the approved maintenance plan and to allow access by Environmental Division staff for routine inventory and inspection purposes (usually once per year). The signature should be by a representative of the church who has designated authority to oversee maintenance operations as such.

Once an original signed copy is forwarded to our office, we will proceed with the release of the posted surety for the project in accordance with our usual administrative process. We will retain this document in our record drawing files for the BMP facility.

Please contact me at 757-253-6639 or the assigned Environmental Division inspector, Beth Davis at 757-253-6702 if you have any further comments or questions.

Sincerely,



Scott J. Thomas, P.E.
Civil Engineer
Environmental Division

Attachments
SJT/sjt

cc: Beth Davis, Environmental Division

Acknowledgment:

By: _____
Title: _____
Signature: _____
Date: _____

Approximate Location
Timber Check Dam BMP
ID Code: PC 172





TIMBER/ROCK CHECK DAM
CROSS SECTION

-
- Diagram illustrating the construction of a wire mesh basket for soil stabilization. The basket is made of 6x6 treated timber and is secured with wire mesh to the timber. The basket is filled with soil and secured with wire to the ground with wire staples. The basket is 7' min. wide and 3' min. high. The basket is made of 21' or flatter. The basket is made of 6' min. wide. The basket is made of 21' or flatter. The basket is made of 6' min. wide. The basket is made of 21' or flatter.

			<p style="text-align: center;">Wellspring United Methodist Church Expansion Project</p> <p>Erosion and Sedimentation Control</p> <p style="text-align: center;">Site Drawing: C2000-003</p> <div style="display: flex; justify-content: space-between;"> Scale: NTS Date: 12-01-2000 </div> <p>Drawn by: William F. Hinson, Jr. PE 152 John Rolfe Lane Williamsburg, VA 23185 757-220-2775</p>
2	ADD MAINT. PLAN	03/13/2001	
1.	Respond to JCC Comments	02/28/2001	
0.	Issue	12/01/2000	
	Revision History		



James City County, Virginia
Environmental Division



Stormwater Management / BMP Facilities
Record Drawing and Construction Certification Forms

(Note: In accordance with the requirements of the Chesapeake Bay Preservation Ordinance, Chapter 23, Section 23-10(4), BMP's shall be designed and constructed in accordance with the manual entitled James City County Guidelines for Design and Construction of Stormwater Management BMP's. Erosion and sediment control policy and approved plans generally require that at the completion of the project and prior to release of surety, an "as-built" plan prepared by a registered Professional Engineer or Certified Land Surveyor must be provided for the drainage system for the project, including any Best Management Practice (BMP) facilities. In addition, for BMP facilities involving the construction of an impounding structure or dam embankment, certification is required by a Professional Engineer who has inspected the structure during its construction. Currently there are over 20 water quality type BMP's accepted by the County.)

Section 1 - Site Information:

Project Name: WELLSPRING UNITED METHODIST CHURCH EXPANSION
Structure/BMP Name: ROCK CHECK DAM / LEVEL SPREADER
Project Location: LONGHILL ROAD
BMP Location: REAR RIGHT PROPERTY ELEVATION
County Plan No.: SP - 154 - 00

Project Type: ☐ Residential ☐ Business Tax Map/Parcel No.: 32401 000 31
☐ Commercial ☐ Office BMP ID Code (if known): PC 172
☐ Institutional ☐ Industrial Zoning District: R-2
☐ Public ☐ Roadway Land Use: Church A-4
☒ Other CHURCH Site Area (sf or acres): 6.0 AC

Brief Description of Stormwater Management/BMP Facility: LOW TIMBER CORE ROCK WATER SLOPE VEGETATED WATER SLOPE LEVEL SPREADER PLACED IN A NATURAL ~~SWALE~~ RUNOFF SWALE. ~~THE~~ LEVEL SPREADER IS WITHIN NATURAL TREE LINE.

Nearest Visible Landmark to SWM/BMP Facility: CHURCH RIGHT ELEVATION AND TREE LINE

Nearest Vertical Ground Control (if known): N/A.

☐ JCC Geodetic Ground Control ☐ USGS ☐ Temporary ☒ Arbitrary ☐ Other

Station Number or Name: _____

Datum or Reference Elevation: _____

Control Description: _____

Control Location from Subject Facility: _____

Section 2 - Stormwater Management / BMP Facility Construction Information:

PreConstruction Meeting Held for Construction of SWM/BMP Facility: ☒ Yes ☐ No ☐ Unknown
 Approx. Construction Start Date for SWM/BMP Facility: MARCH 27 '01
 Facility Monitored by County Representative during Construction: ☒ Yes ☐ No ☐ Unknown
 Name of Site Work Contractor Who Constructed Facility: OWNER
 Name of Professional Firm Who Routinely Monitored Construction: _____
 Date of Completion for SWM/BMP Facility: 3/27/01
 Date of Record Drawing/Construction Certification Submittal: MAY 22 '02

(Note: Record Drawing and Construction Certifications are required within thirty (30) days of the completion of Stormwater Management and/or BMP facility construction. Record Drawings and Construction Certifications must be reviewed and approved by the James City County Environmental Division prior to final inspection, acceptance and bond or surety release.)

Section 3 - Owner / Designer / Contractor Information:

Owner/Developer: (Note: Site Owner or Applicant responsible for development of the project.)

Name: WELLSPRING UNITED METHODIST CHURCH
 Mailing Address: 4871 LONGHILL ROAD
WILLIAMSBURG, VA. 23187
 Business Phone: _____ Fax: _____
 Contact Person: M. KUTZ Title: PASTOR

Design Professional: (Note: Professional Engineer or Certified Land Surveyor responsible for the design and preparation of plans and specifications for the Stormwater Management / BMP facility.)

Firm Name: OWNER
 Mailing Address: _____
 Business Phone: _____ Fax: _____
 Responsible Plan Preparer: William F. Hinson, Jr. P.E.
 Title: ENGINEER
 Plan Name: WELLSPRING UNITED METHODIST CHURCH EXP. PROJECT
 Firm's Project No. N/A
 Plan Date: 12-01-2002
 Sheet No.'s Applicable to SWM/BMP Facility: C 120001 003 1

BMP Contractor: (Note: Site Work Contractor directly responsible for construction of the Stormwater Management / BMP facility.)

Name: OWNER
 Mailing Address: _____
 Business Phone: _____ Fax: _____
 Contact Person: _____
 Site Foreman/Supervisor: _____
 Specialty Subcontractors & Purpose (for BMP Construction Only): _____

Section 4 - Professional Certifications:

Certifying Professionals: (Note: A Registered Professional Engineer or Certified Land Surveyor is responsible for preparation of a Record Drawing, sometimes referred to as an As-Built plan, for the drainage system for the project including any Stormwater Management/BMP Facilities. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of Stormwater Management / BMP facilities during its construction.)

Record Drawing and Construction Certifications for Stormwater Management / BMP Facilities**Record Drawing Certification**

Firm Name: OW&C
 Mailing Address: _____
 Business Phone: _____
 Fax: _____
 Name: William F. Hanson, Jr. P.E.
 Title: ENGINEER
 Signature: William F. Hanson, Jr. P.E.
 Date: 5/1/2002

I hereby certify to the best of my knowledge and belief that this record drawing represents the actual condition of the Stormwater Management / BMP facility. The facility appears to conform with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted. (SEE AMENDED DRAWING)

 (Seal)
 Virginia Registered Professional Engineer
 or Certified Land Surveyor

Construction Certification

Firm Name: OW&C
 Mailing Address: _____
 Business Phone: _____
 Fax: _____
 Name: William F. Hanson, Jr. P.E.
 Title: ENGINEER
 Signature: William F. Hanson, Jr. P.E.
 Date: 5/1/2002

I hereby certify to the best of my knowledge and belief that this Stormwater Management/BMP facility was monitored and constructed in accordance with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted. (SEE AMENDED DRAWING)

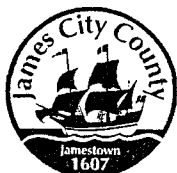
 (Seal)
 Virginia Registered
 Professional Engineer

STORMWATER MANAGEMENT / BMP FACILITIES AS-BUILT PLAN CHECKLIST

(Key for Checklist is as follows: **XX** Acceptable **N/A** Not Applicable **Inc** Incomplete)

VII. Group E - Open Channel Systems (Includes E-1 Wet Swales (Check Dams); E-2 Dry Swales; and E-3 Biofilters)

- E1. All requirements of Section II, Minimum Standards, apply to Group E facilities as applicable.
- N/A E2. Open channel system has constructed longitudinal slope of less than four (4) percent.
- N/A E3. No visual signs of erosion in the open channel system's soil and/or vegetative cover.
- N/A E4. Open channel side slopes are no steeper than 2H:1V at any location. Preferred channel sideslope is 3H:1V or flatter.
- N/A E5. No visual signs of ponding are present at any location in the open channel system, except at rock check dam locations for E-1 systems (Wet Swales).
- N/A E6. For E-2 BMPs (Dry Swales), an underdrain system was provided.
- XX E7. Treated timber or rock check dams provided as pretreatment devices for the open channel system.
- N/A E8. Gravel diaphragm provided in areas where lateral sheet flow from impervious surfaces are directly connected to the open channel system.
- N/A E9. Grass cover/stabilization in the open channel system appears adaptable to the specific soils and hydric conditions for the site and along the channel system.
- N/A E10. Open channel system areas with grass covers higher than four (4) to six (6) inches were properly mowed.
- N/A E11. Facility was not used for erosion and sediment control purposes and sediment was prevented from entering the facility to the greatest extent possible during construction.
- N/A E12. No visible signs of accumulated silt/sediment were present in the facility following construction or alternately, accumulated silt/sediment was properly removed and no adverse affects to the function of the facility are anticipated.
- N/A E13. For E-3 BMPs (Biofilters), the bottom width is six (6) feet maximum at any location.
- N/A E14. For E-3 BMPs (Biofilters), sideslopes are 3H:1V maximum at any location.
- N/A E15. For E-3 BMPs (Biofilters), the constructed channel slope is less than or equal to three (3) percent at any location.
- N/A E16. For E-3 BMPs (Biofilters), the constructed grass channel is approximately equivalent to the constructed roadway length.



**James City County Environmental Division
Stormwater Management / BMP Inspection Report
Detention and Retention Pond Facilities**

County BMP ID Code (if known): PC 172

SP-154-00
GAIN 3240101031

Name of Facility: Wellspring VM Church Expansion BMP No.: 1 of 1 Date: 04/01/02

Location: 4871 Longhill Road (NW of Exist Building 170')

Name of Owner: Wellspring VM Church

Name of Inspector: SJ Thomas

Type of Facility: Small Rock Check Dam

Weather Conditions: _____ Type: ☒ Final Inspection ☐ County BMP Inspection Program ☐ Owner Inspection

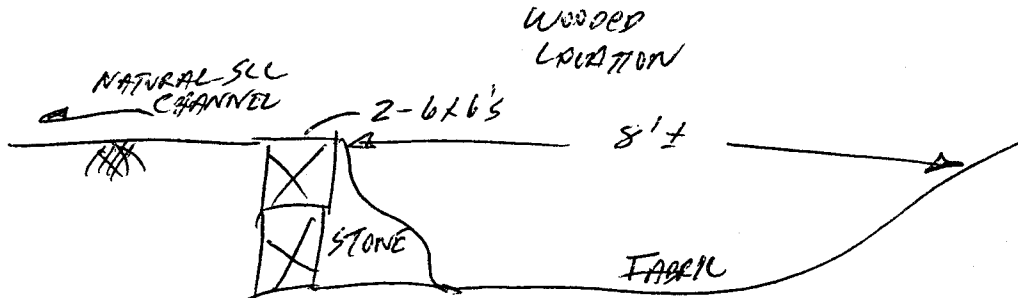
If an inspection item is not applicable, mark NA, otherwise mark the appropriate column.

- O.K. - The item checked is in adequate condition and the maintenance program is currently satisfactory. No action required.
 Routine - The item checked requires attention, but does not present an immediate threat to the function/integrity of the BMP.
 Urgent - The item checked requires immediate attention to keep the BMP operational and to prevent damage to the facility.

Provide an explanation and details in the comment column, if routine or urgent are marked.

Facility Item	O.K.	Routine	Urgent	Comments
Embankments and Side Slopes: <u>None, Small RCD for REDEM WA.</u>				
Grass Height	✓			
Vegetation Condition	✓			
Tree Growth	✓			
Erosion	✓			<u>None Observed.</u>
Trash & Debris	✓			<u>Little.</u>
Seepage	✓			<u>Rock Filter.</u>
Fencing or Benches	NA			
Interior Landscaping/Planted Areas: <input type="checkbox"/> None <input type="checkbox"/> Constructed Wetland/Shallow Marsh <input checked="" type="checkbox"/> Naturally Established Vegetation				
Vegetated Conditions				<u>Natural Stream, SCL in</u>
Trash & Debris				<u>Wooded Area. No</u>
Floating Material				<u>Disturbance</u>
Erosion				
Sediment				
Dead Plant				
Aesthetics				
Other				
Notes: <u>Serves Exist & Expanded Church & Parking Area. Located along Woods.</u>				

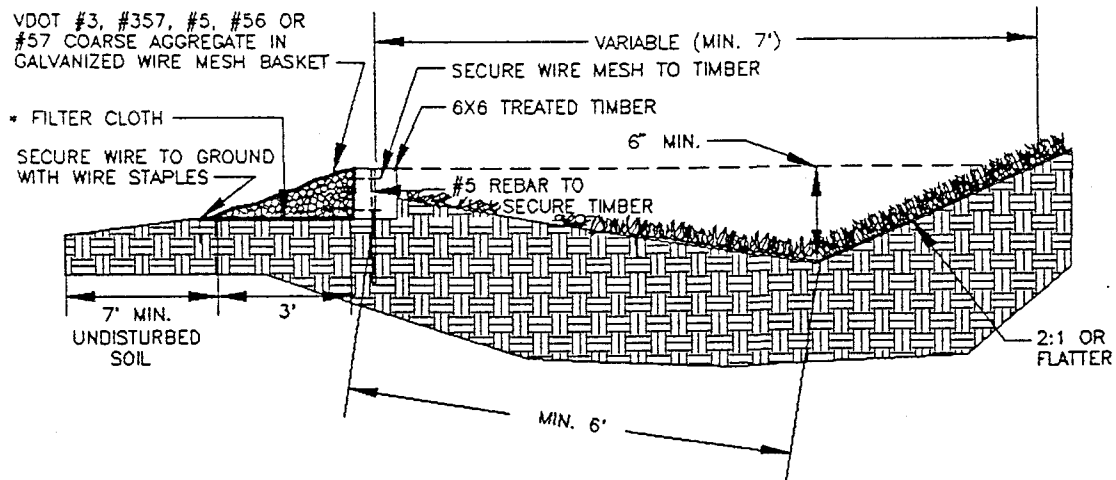
Facility Item	O.K.	Routine	Urgent	Comments
Water Pools: <input type="checkbox"/> Permanent Pool (Retention Basin) <input type="checkbox"/> Shallow Marsh (Detention Basin) <input checked="" type="checkbox"/> None, Dry (Detention Basin)				
Shoreline Erosion	✓			None. Wet Swale Check Dam.
Algae	✓			
Trash & Debris	✓			
Sediment	✓			
Aesthetics	✓			
Other	✓			
Inflows (Describe Types/Locations): <i>Overland & Shallow Conc. Flow to Channel.</i>				
Condition of Structure	✓			YARD AREA. Parking Area.
Erosion	✓			
Trash and Debris	✓			
Sediment	✓			
Outlet Protection	✓			
Other	✓			
Principal Flow Control Structure - Riser, Intake, etc. (Describe Type): <i>None. RCD</i>				
Condition of Structure	✓			VDOT CLASS AND Treated Timbers 6x6
Corrosion	✓			
Trash and Debris	✓			
Sediment	✓			
Vegetation	✓			
Other	✓			
Principal Outlet Structure - Barrel, Conduit, etc. : <i>None.</i>				
Condition of Structure				
Settlement				
Trash & Debris				
Erosion/Sediment				
Outlet Protection				
Other				
Emergency Spillway (Overflow): <i>Weir Overflow over Timbers.</i>				
Vegetation	✓			
Lining	✓			
Erosion	✓			
Trash & Debris	✓			
Other	✓			
Notes:				

Facility Item	O.K.	Routine	Urgent	Comments
Nuisance Type Conditions:				
Mosquito Breeding	✓			
Animal Burrows	✓			
Graffiti	✓			
Other	✓			
Surrounding Perimeter Conditions: <i>North Woods, South Church Yard - Playground</i>				
Land Uses	✓			
Vegetation	✓			
Trash & Debris	✓			
Aesthetics	✓			
Access /Maintenance Roads or Paths				<i>NW of EXIST Building 170'</i>
Other				
Remarks: <i>No Major Comments. Minor Structure.</i> 				
Overall Environmental Division Internal Rating: <u>4</u>				
Signature: <i>Scott Thomas P.E.</i>		Date: <i>05/23/02</i>		
Title: <i>Civil Engineer ENJOIN</i>		<i>Spot Inspection to serve as FINAL INSPECTION 4/02.</i>		

SWMPProg\BMP\CoInspProg\DetRet.wpd

CONSTRUCTION OF STRAW BALE BARRIER

TIMBER/ROCK CHECK DAM CROSS SECTION



SP-1524-00

Wellspring United Methodist Church
Expansion Project

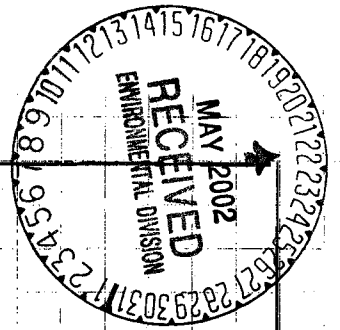
Erosion and Sedimentation Control
Site Drawing: C2000-003

Scale: NTS

Date: 12-01-2000

Drawn by:

3/2001

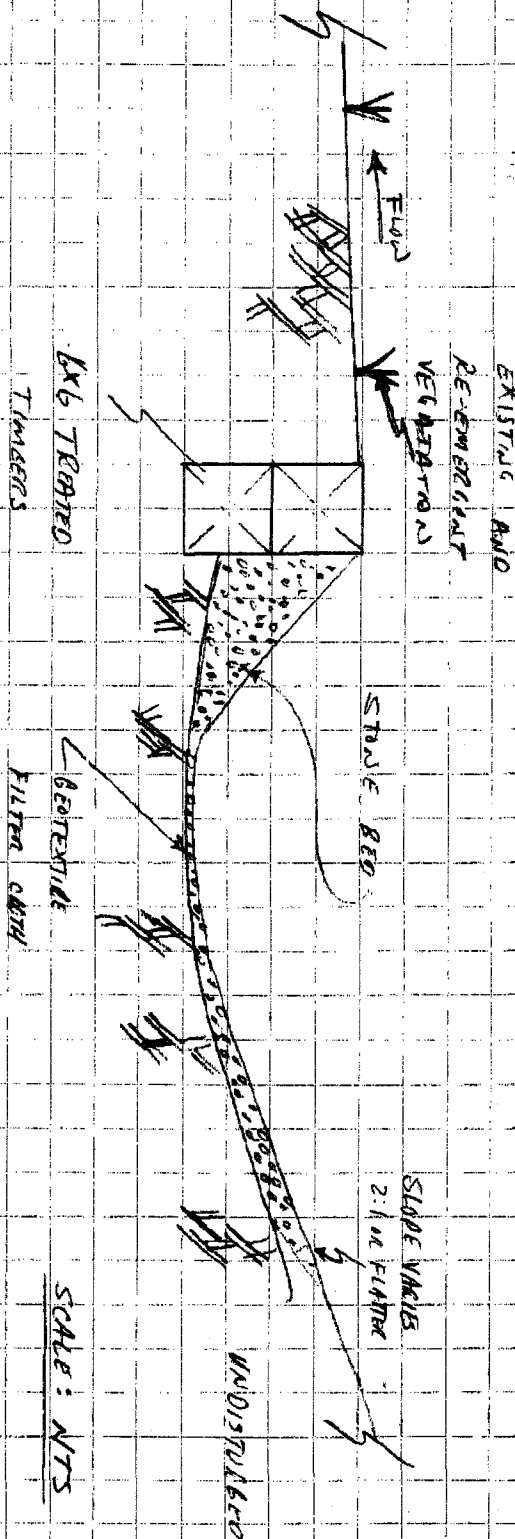


UNDISTURBED

VARIES TO 2'

VARIES TO 7'

UNDISTURBED



SCALE: NTS

SITE PLAN: SD-154-00
EROSION & SEDIMENTATION CONTROL ADDENDUM

CHECK DAM AS BUILT

BUILT BY: WELLSBORO UNITED METH CHURCH
4781 COMBELL ROAD, WINDSBOROUGH, VT.
CHECKED/REVIEWED BY: WILLIAM F. HINSON JR. P.E.

